

IN THE CLAIMS:

Please amend the claims as follows.

1. (Currently Amended) An equipment in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, comprising:
at a point of mixing (K) of the dilution water (V), passed from a dilution water pipe (11), and the fresh stock (M), passed from a fresh stock pipe (13), there is at least one ~~such~~ pipe portion having a wave-shaped form ~~in its connection~~ in a cross-section perpendicular to the longitudinal axis of the said at least one pipe portion.

2. (Previously Presented) An equipment as claimed in claim 1, wherein the dilution water (V) consists of white water.

3. (Previously Presented) An equipment as claimed in claim 1, wherein the equipment further comprises a pipe (12) for passing a return circulation water (O) to the mixing point (K) of fresh stock (M) and white water (V), and that the pipe (13), through which the stock (M) is passed, has been passed coaxially in the interior of the pipe (12).

4. (Previously Presented) An equipment as claimed in claim 1, wherein the dilution water pipe (11) further comprises:
a wave-shaped form on a wall face thereof.

5. (Currently Amended) An equipment as claimed in ~~the preceding~~ claim 4, wherein the wave shape on an inner face of the pipe (11) has been produced by means of form pieces ($a_1, a_2, a_3 \dots$), which form pieces are of curved cross-section and which have been fitted at a distance from one another on the circumferential measure of the pipe (11) on the inner face of the pipe (11).

6. (Previously Presented) An equipment as claimed in claim 3, wherein the pipe (13), which is placed in the interior of the pipe (12), is provided with a wave-shaped face form, in which case the return circulation water (O) that is passed in the pipe (12) is confined by the wave-shaped outer shape of the pipe (13), and the stock (M) that is passed in the pipe (13) is confined by the wave-shaped inner shape of the pipe (13).

7. (Previously Presented) An equipment as claimed in claim 3, wherein the pipe (12), through which the return circulation water (O) is introduced in the pipe (11), is provided with a wave shape, whose form is provided both on the inner face and on the outer face of the pipe, in which connection both the white water (V) flowing in the pipe (11) and the return circulation water (O) passed in the pipe (12) are confined by said wave shape.

8. (Previously Presented) An equipment as claimed in claim 7, wherein the pipe (12) and the pipe (13) have been passed through a curved portion of pipe (11) placed below the white-water pit (10) so that the pipes (12 and 13) have been passed through the wall of the pipe (11), and that the pipe (13) projects from the end of the pipe (12), and that the pipe (13) is placed centrally inside the pipe (12).

9. (Previously Presented) An equipment as claimed in claim 1, wherein the white water pipe (11) further comprises:

a pump (P) placed after the mixing point (K) of the white water, fresh stock, and a circulation water in view of passing said materials into a headbox (100) of the paper/board machine.

10. (Currently Amended) An equipment as claimed in claim 1, wherein the pipe (11) has a flow ($L_1 + L_2 + L_3$), and wherein said pipe (11) becomes narrower in a flow direction of the flow ($L_1 + L_2 + L_3$).

11. (Previously Presented) An equipment as claimed in the claim 2, wherein the white water (V) that is used as the dilution water is passed from a deaeration tank (100) of the short circulation in the paper/board machine.

12. (Currently Amended) A method in a paper or board machine for mixing fresh stock (M) with water (V) used for dilution of the fresh stock, comprising the step of:

forming secondary vortexes at a point of mixing (K) of the dilution water (V), passed from a dilution water pipe (11) having a flow (L1, L2), and the fresh stock (M), passed from a fresh stock pipe (13) having a flow (L3), said vortexes being formed in at least one of said flows (L1, L2, L3) by means of at least one of said pipes having at least an end portion with a wave-shaped cross-section.

13. (Previously Presented) A method as claimed in claim 12, wherein white water is used as the dilution water (V).

14. (Previously Presented) A method as claimed in claim 13, wherein the white water is passed from a deaeration tank (100) of a short circulation of the white water in the paper/board machine.

15. (Previously Presented) An equipment for the improved mixing and diluting of a fresh stock (M) with a white water (V) in a paper or board machine, comprising:

a white water pipe (11) for conducting said white water (V);

a fresh stock pipe (13) structured and arranged to feed said fresh stock (M) coaxially into said white water pipe (11) at a mixing point; and

at least one of said white water pipe (11) and said fresh stock pipe (13) having at least a portion which has a transverse cross-section that is wave-shaped, said portion being located at

said mixing point between said fresh stock (M) and said white water (V), whereby said wave-shape produces secondary vortexes in said flow of fresh stock and flow of white water in order to enhance the mixing and diluting of said fresh stock flow with said white water flow.

16. (Previously Presented) The equipment according to claim 15, further comprising: a return circulation water pipe (12) is structured and arranged to coaxially conduct a return circulation water (O), through said white water pipe (11), to said mixing point between said fresh stock (M) and said white water (V); and

wherein said fresh stock pipe (13) is structured and arranged to coaxially conduct said fresh stock (M) into said return circulation water pipe (12), to said mixing point between said fresh stock (M) and said white water (V).

17. (Previously Presented) The equipment according to claim 15, wherein said wave-shape is formed on an inner surface of said white water pipe, wherein said wave-shape comprises a plurality of spaced form pieces extending radially inward from said inner surface of said white water pipe.

18. (Previously Presented) The equipment according to claim 17, wherein said form pieces have a curved cross section.

19. (Previously Presented) The equipment according to claim 16, wherein said fresh stock pipe (13), structured and arranged coaxially within said return circulation water pipe (12), is provided with said wave-shape formed along an inner circumferential surface and an outer circumferential surface thereof, whereby said return circulation water (O), conducted through said return circulation water pipe (12), is conducted over said wave-shape formed along said outer circumferential surface of said fresh stock pipe (13) and whereby said fresh stock (M), conducted through said fresh stock pipe (13), is conducted over said wave-shape formed along

said inner circumferential surface of said fresh stock pipe (13), thereby producing secondary vortexes in said return circulation water (O) and said fresh stock (M).

20. (Previously Presented) The equipment according to claim 16, wherein said return circulation pipe (12), structured and arranged coaxially within said white water pipe (11), is provided with said wave-shape formed along an inner circumferential surface and an outer circumferential surface thereof, whereby said return circulation water (O), conducted through said return circulation water pipe (12), is conducted over said wave-shape formed along said inner circumferential surface of said return circulation pipe (12) and whereby said white water (V), conducted through said white water pipe (11), is conducted over said wave-shape formed along said outer circumferential surface of said return circulation pipe (12), thereby producing secondary vortexes in said return circulation water (O) and said white water (V).